

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

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1. **(Currently amended)** An antigen composition comprising synthetic tetramyristoyl cardiolipin and synthetic lecithin 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine.
 2. **(Original)** The antigen composition of claim 1, further comprising cholesterol.
 3. **(Currently amended)** The composition of claim 2, wherein the concentration of cholesterol is approximately about 0.9%.
 4. **(Original)** The composition of claim 2, further comprising an alcohol.
 5. **(Currently amended)** The composition of claim 1, wherein the concentration of cardiolipin is between approximately about 0.02 and 0.04%.
 6. **(Currently amended)** The composition of claim 5, wherein the concentration of cardiolipin is approximately about 0.03%.
 7. **(Currently amended)** The composition of claim 1, wherein the concentration of lecithin 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine is between approximately about 0.11 and 0.16%.
 8. **(Currently amended)** The composition of claim 7, wherein the concentration of lecithin 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine is approximately about 0.14%.
 9. **(Canceled)**

10. (Canceled)

11. (Original) The composition of claim 4, wherein the alcohol is ethanol.

12. (Currently amended) A method for detecting the presence of ~~Treponema pallidum~~ anti-lipoidal antibodies in a human comprising combining a biological sample from the human with a composition comprising ~~synthetic tetramyristoyl~~ cardiolipin and synthetic lecithin 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine and detecting an immunocomplex formed between an anti-lipoidal antibody in the biological sample and the composition.

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13. (Original) The method of claim 12, wherein the composition further comprises cholesterol and an alcohol.

14. (Currently amended) The method of claim 13, wherein the concentration of cholesterol in the composition is approximately about 0.9%.

15. (Original) The method of claim 12, wherein the alcohol is ethanol.

16. (Currently amended) The method of claim 12, wherein the concentration of tetramyristoyl cardiolipin in the composition is between approximately about 0.01 and 0.05%.

17. (Currently amended) The method of claim 12, wherein the concentration of ~~lecithin~~ 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine in the composition is between approximately about 0.11 and 0.16%.

18. (Canceled)

19. (Canceled)

20. (Currently amended) The method of claim 12, wherein the detection of an immunocomplex is ~~a positive diagnosis of~~ used to diagnose syphilis in the human.

21. **(Original)** The method of claim 12, wherein the immunocomplex is detected using a flocculation or agglutination test.

22. **(Currently amended)** ~~An~~ The antigen composition of claim 1 comprising between about 0.02 and 0.04% tetramyristoyl cardiolipin, and between about 0.11 and 0.16% 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, synthetic cardiolipin, synthetic lecithin, cholesterol and ethanol, wherein the concentration of cardiolipin is between approximately 0.02 and 0.04%, the concentration of lecithin is between approximately 0.11 and 0.16%, and the concentration of cholesterol is approximately 0.9%.

B4 23. **(Currently amended)** An antigen composition comprising between approximately about 0.02 and 0.04% tetramyristoyl cardiolipin, between approximately about 0.11 and 0.16% 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, approximately about 0.9% cholesterol, and ethanol to volume.

24. **(Currently amended)** An antigen composition comprising approximately about 0.03% tetramyristoyl cardiolipin, between approximately about 0.11 and 0.16% 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, and approximately about 0.9% natural cholesterol in absolute ethanol to volume.

25. **(Currently amended)** A method for detecting ~~the presence of *Treponema pallidum*~~ anti-lipoidal antibodies in a human comprising:

- (a) obtaining a biological sample from a human;
- (b) combining the biological sample with a composition comprising between approximately about 0.02 and 0.04% tetramyristoyl cardiolipin, between approximately about 0.11 and 0.16% 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, approximately about 0.9% cholesterol, and ethanol to volume; and
- (c) detecting an immunocomplex formed between an antibody in the biological sample and the composition.

26. (New) The method of claim 25, wherein the detection of the immunocomplex is used to diagnose syphilis in the human.

27. (New) The method of claim 12, wherein the concentration of tetramyristoyl cardiolipin in the composition is between about 0.02 and 0.04%.